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Techstream TIS VCI Installation Guide (64-bit OS) Including All Software Needed!

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08-27-2014, 06:28 PM

#1

[Jhood](#)

Member



Join Date: Jul 2014
 Drives: 2014 BRZ
 Limited [6MT/SWP]
 Location: Long Island,
 New York
 Posts: 41
 Thanks: 9
 Thanked 26 Times in 9
 Posts
 Mentioned: 0 Post(s)
 Tagged: 0 Thread(s)

Techstream TIS VCI Installation Guide (64-bit OS) Including All Software Needed!

Hey ft86!

This is for anyone that is currently trying to use Techstream software to change dealer settings on their BRZ/FRS with a MINI-VCI cable and software. I know there are a few threads out there already on the subject, but they don't contain any useful guides on how to actually succeed in activating and using this software, it's mostly just download links.

I got stuck doing Google searches for about 2 hours trying to figure out if this could be done on a Windows 64-bit computer without the use of annoying Dual Boot or Virtual Machines on XP, and despite what most of these threads say, IT CAN BE DONE! The software works on any OS, but the drivers are the problem so instead they just have to be downloaded manually. I hope this helps some of you guys out.

Download all of the files from this Dropbox link:
<https://www.dropbox.com/sh/mztf3wrqa...i5qy1xpoa?dl=0>

(Even if you have the mini cd, and have the software already, you still need to download the "mvci-x64.reg" and "Techstream_Update_V8.10.021.exe" files from that link. Also, make sure your cd comes with the same version that is listed as mine; 8.00.034. And completely uninstall any traces of previous attempts to download the software)

Equipment Needed:

1. MINI VCI cable for TOYOTA TIS Techstream. I bought mine from Amazon for \$25. The cable is about 4' long, with translucent casing and "MINI-VCI J2534 Standard OBDII Communication Interface" sticker:

The cable comes with a mini CD with drivers and Toyota Techstream software. Mine was advertised as "Newest V8.00.034 MINI VCI for TOYOTA TIS Techstream Diagnostic Cable & Software". The "newest" refers to the version of bundled Techstream, rather than the cable firmware, as cable shows serial number "MVCI006000001" and firmware version 1.4.1, which is widely known as "cheap clone of the original XHorse MVCI cable".

2. A laptop running 64-bit version of Windows 7/8. Mine is actually Windows 7 x64, but for Windows 8 the configuration procedure should be identical.

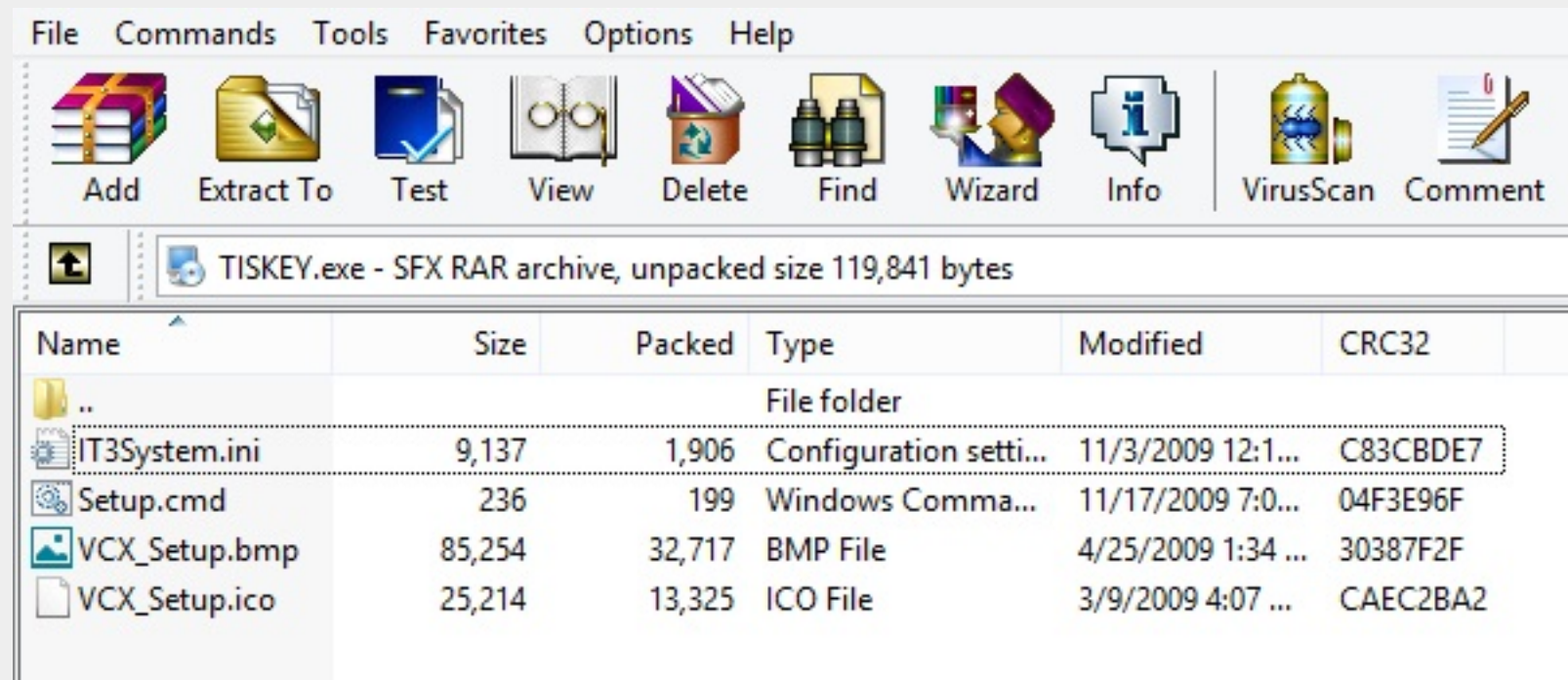
The content of bundled mini-CD:



The Techstream, MPCI drivers and TIS Key all can be found on the mini disk, but I will leave a .zip download containing them if you guys need them.

Steps:

1. Download and install a trial version of [WinRAR](#) if you don't already have it.
2. Using WinRAR Unpack the following files from either the mini-CD or the download to a temp folder on your hard drive (Use c:\temp).
 - Toyota Techstream 8.00.034
 - Techstream_Update_V8.10.021
 - MPCI Driver for TOYOTA
 - TIS KEY
3. Now open WinRAR again. Using the program, navigate to the temp folder with unpacked files and double click the TISKey.exe in WinRAR.



The TISKey.exe is actually a self-extracting (SFX) RAR archive file. Once executed, it simply unpacks and copies the IT3System.ini file to the Techstream folder. Extract the IT3System.ini file to desktop for now.

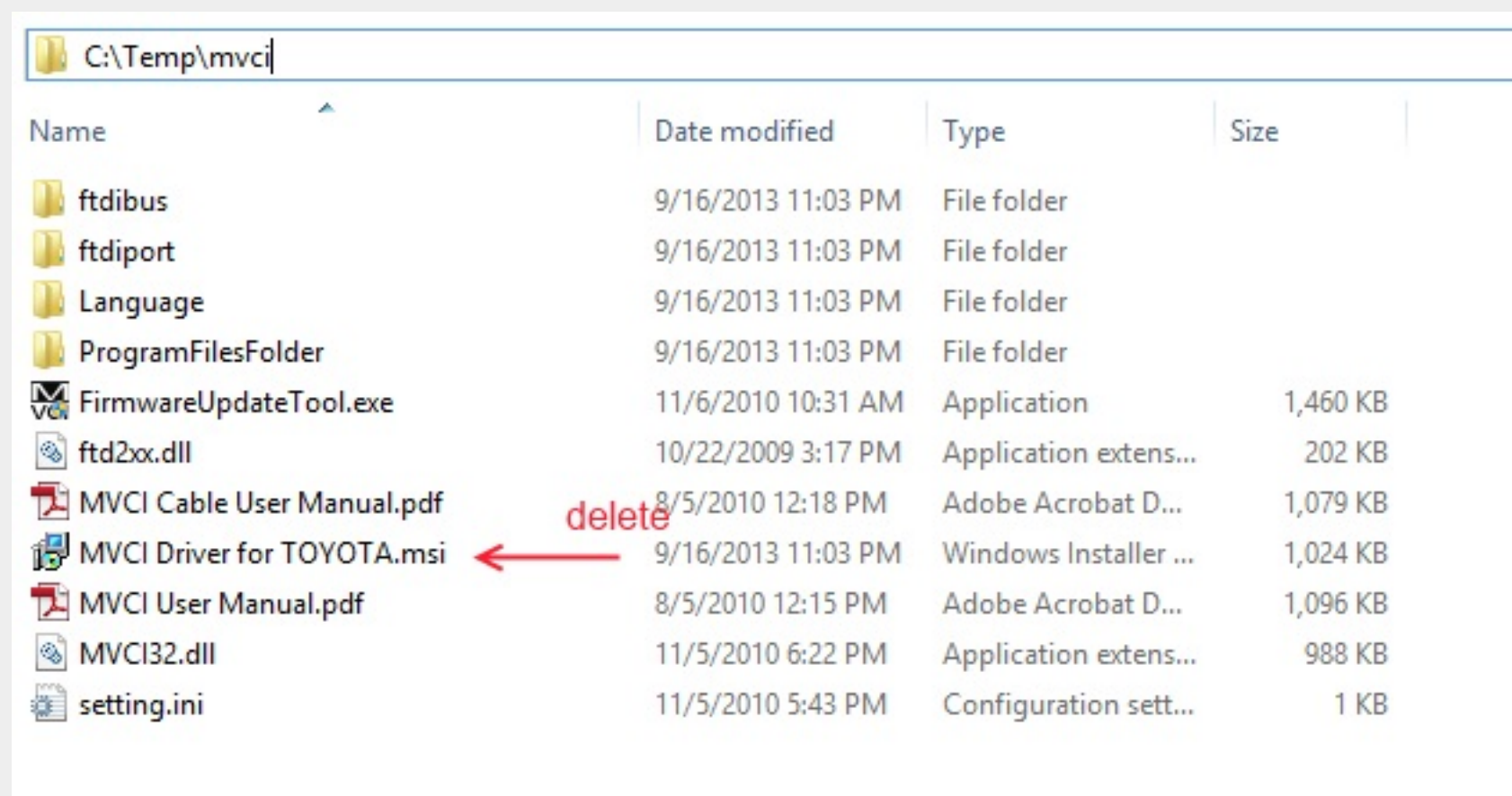
Installing MPCI Driver for TOYOTA:

This is the step most people stumble on as "MPCI Driver for TOYOTA.msi" installer indeed does not work on Windows x64. The workaround is to install it manually, as follows:

Open the Command Prompt in Administrator Mode, and run the following command line:

```
msiexec /a "C:\temp\MPCI Driver for TOYOTA.msi" /qb TARGETDIR=c:\temp\mvci
```

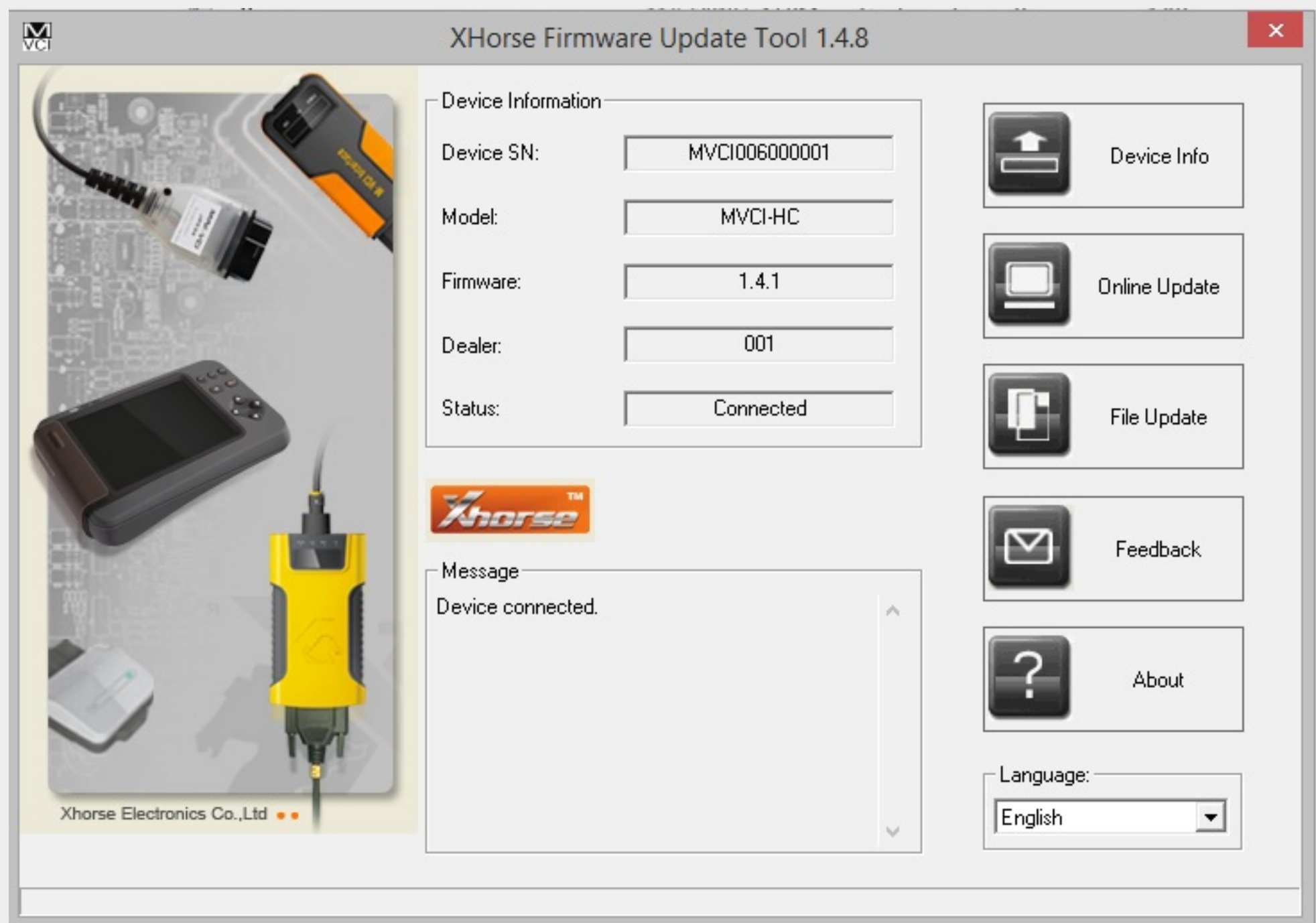
This will extract the content of the MSI file to the c:\temp\mvci folder. Go ahead and close the Command Prompt window, and open up the c:\temp\mvci folder :



1. Delete the "MVCI Driver for TOYOTA.msi" there. (Now go into C:\Program Files (x86) and then create a new folder called "XHorse Electronics" and then inside of that folder create another called "MVCI Driver for TOYOTA TIS") Then copy the whole content of c:\temp\mvci to "C:\Program Files (x86)\XHorse Electronics\MVCI Driver for TOYOTA TIS"
2. Plug the MINI VCI cable to the USB port.
3. Open the Device Manager and locate the two failing devices in the list. Both will appear with yellow icon (usually under "Other"), indicating that Windows failed to install drivers for them. Now, right click each failing device, select Install Driver, then "Browse my Computer..." and point it for "C:\Program Files (x86)\XHorse Electronics\MVCI Driver for TOYOTA TIS" (enable the "include subfolders" flag). Click "Next" and wait until drivers are installed.

You should now see two new devices: "Universal Serial Bus Controllers\USB Serial Converter" and "Ports (COM & LPT)\USB Serial Port (COM5)".

4. Run the FirmwareUpdateTool.exe from the "C:\Program Files (x86)\XHorse Electronics\MVCI Driver for TOYOTA TIS". Click "Device Info". You should see the "device connected" screen like this:



1. a. If you see this, it means your MINI VCI is up and running under Windows x64 and can be used by other programs, such as Techstream.

IMPORTANT: Some people have reported that updating firmware on this "cheap clone" cable may render it dead. So, the Firmware Update Tool should NOT be used for anything, but checking that the device is connected and working properly.

2. Now install the Techstream software using "Techstream 8.00.034.exe" and then after installation, open up the "Techstream_Update_V8.10.021.exe" file to update it. DO NOT launch it yet.

To activate it, drag the IT3System.ini you extracted before to the desktop over into "C:\Program Files (x86)\Toyota Diagnostics\Techstream\Env\". When prompted, overwrite the preexisting file with the new one you are dragging over.

3. Registry Hack: for Techstream to recognize MINI-VCI under Windows x64, the Registry has to be modified as:

Windows Registry Editor Version 5.00

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\PassThruSupport.04.04]
```

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\PassThruSupport.04.04\XHorse - MVCI]
```

```
"Name"="XHorse - MVCI"
```

```
"Vendor"="XHorse ELECTRONICS Co.,Ltd."
```

```
"ConfigApplication"="C:\\Program Files (x86)\\XHorse Electronics\\MVCI Driver for TOYOTA
TIS\\FirmwareUpdateTool.exe"
"FunctionLibrary"="C:\\Program Files (x86)\\XHorse Electronics\\MVCI Driver for TOYOTA
TIS\\MVCI32.dll"
"APIVersion"="04.04"
"ProductVersion"="1.1.0"
"ProtocolsSupported"="J1850VPW:1, J1850PWM:1, CAN:1, ISO9141:1, ISO14230:1, ISO15765:1"
"J1850VPW"=dword:00000001
"J1850PWM"=dword:00000001
"ISO9141"=dword:00000001
"ISO14230"=dword:00000001
"CAN"=dword:00000001
"ISO15765"=dword:00000001
"SCI_A_ENGINE"=dword:00000000
"SCI_A_TRANS"=dword:00000000
"SCI_B_ENGINE"=dword:00000000
"SCI_B_TRANS"=dword:00000000
```

The attached "mvci-x64.reg" contains the *.REG file that has to be imported to the Registry (all you have to do in this step is just extract the file to the desktop, right click, then click Merge)

A trick here is the "Wow6432Node" in key path, which is the location the 32-bit applications running on 64-bit OS get redirected to when accessing Registry. The "PassThruSupport.04.04" seems to be the place Techstream looks into for available VIMs (sub-keys appear in the "VIM Select" menu in Techstream).

- 4. Run Techstream. Go to *Setup | VIM Select* menu and select the "XHorse - MVCI"
- 5. Connect MVCI cable to your car's OBDII interface, turn ignition on, then click "Connect to Vehicle" in Techstream. Wait. Then wait again (*by the way, you'll be doing that a lot with this cable 😊*). If everything works, you will be prompted to confirm car year/model after which you'll get to the diagnostic interface.

Just to clear it up, you do not have to register this software after this is all done, it is yours forever (almost). Mostly all of the customizable options can be accessed with this update so I would not mess with it and try to get anything new as it is not needed!

I hope this guide works for you guys, it sure as hell saved me a whole lot of frustration when I found it. If you have any questions regarding installation just comment and let me know!

Last edited by Jhood; 08-27-2014 at 09:15 PM.

Offline

Quote

The Following 12 Users Say Thank You to Jhood For This Useful Post:

[AlexTheGreek](#) (07-05-2015), [aristo](#) (09-01-2014), [BabaYaga](#) (02-24-2016), [davesrave](#) (04-12-2015), [Dezoris](#) (08-27-2014), [MJones_RB](#) (06-09-2015), [mush](#) (08-27-2014), [rs999](#) (12-24-2014), [Sportsguy83](#) (02-25-2016), [STV3](#) (08-27-2014), [tato.valverde](#) (03-26-2015), [wmak](#) (11-15-2014)

08-27-2014, 07:54 PM

#2

[crazyfrenchbiker](#)
Hot Lava 6MT



Join Date: Jul 2012
Drives: Hot Lava FR-S
Location: Omaha, NE
Posts: 364
Thanks: 19
Thanked 71 Times in 56 Posts
Mentioned: 12 Post(s)
Tagged: 1 Thread(s)

Thanks for putting this together, I am going to give it a shot.

Online


Quote

08-27-2014, 09:40 PM

#3

Jhood

Member



Join Date: Jul 2014

Drives: 2014 BRZ Limited [6MT/SWP]

Location: Long Island, New York

Posts: 41

Thanks: 9

Thanked 26 Times in 9 Posts

Mentioned: 0 Post(s)

Tagged: 0 Thread(s)

Offline

Quote:

Originally Posted by **crazyfrenchbiker** ➤
Thanks for putting this together, I am going to give it a shot.

No problem, just added in a Dropbox link to all of the files needed.


Quote

08-27-2014, 09:41 PM

#4

mush

Senior Member



Join Date: Jun 2012

Drives: 2013 FRS 10 Series #81 of 2500

Location: Houston, TX

Posts: 951

Thanks: 358

Thanked 393 Times in 239 Posts

Mentioned: 13 Post(s)

Tagged: 0 Thread(s)

Offline

thanks, i couldnt get it working before... will try again


Quote

09-01-2014, 09:59 PM

#5

Jhood

Member



Join Date: Jul 2014

Drives: 2014 BRZ Limited [6MT/SWP]

Location: Long Island, New York

Posts: 41

Thanks: 9

Thanked 26 Times in 9 Posts

Mentioned: 0 Post(s)

Tagged: 0 Thread(s)

Offline

[Updated Dropbox Downloads](#)

Quote

12-23-2014, 09:15 PM

#6

[k9mattk](#)

Junior Member

Join Date: Dec 2014

Drives: toyota

Location: mn

Posts: 1

Thanks: 0

Thanked 0 Times in 0 Posts

Mentioned: 0 Post(s)

Tagged: 0 Thread(s)

Offline

Quote

Hello jhood,

Sorry for the duplicate msg, but was not sure if first one went through because of being a new member to forum.

Thanks for the great detailed write-up on the install. I followed it closely, and every thing really seemed to work just rite. however when I went to run the program I get an error msg. "unable to connect to VIM" I got the XHorse utility to recognize the VIM, and the program to start, but when connect to vehicle is selected the error msg pops up. I guess I suspect I did not do something correct with the registry hack???

again thanks, and if you have any ideas that would be great. May need to just get a vista computer for this program, but was hopping to get it going on this one

Matt
k9mattk@gmail.com

12-23-2014, 10:48 PM

#7

[Tromatic](#)

Banned

Join Date: May 2013

Drives: FR-S

Location: Portland, OR

Posts: 2,232

Thanks: 61

Thanked 1,718 Times in 785 Posts

Mentioned: 19 Post(s)

Tagged: 0 Thread(s)

Offline

Quote

[Carista](#) can do dome of the basics as well.

04-12-2015, 04:28 PM

#8

[davesrave](#)

Senior Member

Join Date: Apr 2011

Drives: 2013 Subaru BRZ Limited AT SWP

Location: MA

Posts: 106

Thanks: 99

Thanked 20 Times in 12 Posts

Mentioned: 2 Post(s)

Tagged: 0 Thread(s)

Offline

Quote

This Installation Guide Works for TIS Version 10.00.028


I found these instructions necessary for installation of the latest version, 10.00.028, which I just purchased along with the Mini - MVCI cable. I went through every step and the one difference is that step 3 is no longer required. Can't thank you enough because all of the other advice I found on the web wasn't working. Thanks. 🙌

04-16-2015, 12:29 PM

#9

[Jhood](#)

Member



Join Date: Jul 2014

Drives: 2014 BRZ Limited [6MT/SWP]

Location: Long Island, New York

Posts: 41

Quote:

Originally Posted by [k9mattk](#) ➤
I guess I suspect I did not do something correct with the registry hack???

Sorry guys, for everyone who had PM'd me I had the car garaged for the winter, I haven't worked on it or been on the forum in a while. I'm finally back though. 🙌

Thanks: 9
Thanked 26 Times in 9 Posts
Mentioned: 0 Post(s)
Tagged: 0 Thread(s)

Offline

Not sure if you already figured this out, but yes my guess would be if your computer recognized the cable, but does not work with the software, that you either need to go back over the registry editor step (you could always manually edit it as well) or the update to the software was not successful, make sure you're currently running v8.10.021. @[davesrave](#) seems to have it working on v10.00.028 as well.

Quote

The Following User Says Thank You to Jhood For This Useful Post:

[davesrave](#) (04-16-2015)

04-16-2015, 12:34 PM

#10


[kwichelns](#)

Junior Member

Join Date: Apr 2015
Drives: 2000 camry
Location: massachusetts
Posts: 1
Thanks: 0
Thanked 0 Times in 0 Posts
Mentioned: 0 Post(s)
Tagged: 0 Thread(s)

K9MATTK

Quote:

Originally Posted by **k9mattk** 

Hello jhood,

Sorry for the duplicate msg, but was not sure if first one went through because of being a new member to forum.

Thanks for the great detailed write-up on the install. I followed it closely, and every thing really seemed to work just rite. however when I went to run the program I get an error msg. "unable to connect to VIM" I got the XHorse utility to recognize the VIM, and the program to start, but when connect to vehicle is selected the error msg pops up. I guess I suspect I did not do something correct with the registry hack???

again thanks, and if you have any ideas that would be great. May need to just get a vista computer for this program, but was hopping to get it going on this one

Matt
k9mattk@gmail.com

Mine had the same problem I'm not sure fixed it but I
1) performed the update that Jhood told you to open but not execute (never actually said to run the update in the write up)
2) followed the steps after you open the tech stream program under settings to change the VIM it was to look at (one of the last steps on the writeup)

Then mine worked

Offline

Quote

06-07-2015, 06:21 PM

#11

[wdenslow](#)

Junior Member

Join Date: Jun 2015
Drives: 2013 toyota 4 runner
Location: new york
Posts: 1
Thanks: 0
Thanked 0 Times in 0 Posts
Mentioned: 0 Post(s)
Tagged: 0 Thread(s)

I have tried the steps above several times and still can't get to work. Any help greatly appreciated.

Offline

Quote

06-09-2015, 12:15 PM

#12

[Shinobu's Smile](#)

Member

Quote:

Originally Posted by **wdenslow** 

Join Date: Sep 2014
Drives: 2010 Tacoma, 2015
BRZ AT Limited
Location: SoFla
Posts: 49
Thanks: 44
Thanked 7 Times in 6 Posts
Mentioned: 2 Post(s)
Tagged: 1 Thread(s)

Online

I have tried the steps above several times and still can't get to work. Any help greatly appreciated.

I could only get the software/drivers to work on an old XP laptop I had. I tried, 2 windows 7, 1 Vista, 2 Windows 8 and had no luck. So you might want to try it on something old.

Quote

07-02-2015, 04:47 PM

#13

[LBL](#)

Junior Member

Join Date: Jun 2015
Drives: Land Cruiser
Location: FL
Posts: 1
Thanks: 0
Thanked 0 Times in 0 Posts
Mentioned: 0 Post(s)
Tagged: 0 Thread(s)

K-Line

I'm not sure how relevant this is but there is a seller on the Bay that says "**For toyota and lexus before 2005**, we recommend the Original Mini VCI Cable with latest v2.0.4 firmware (**K-line Supported**)" which they just happen to sell.

I have a 2001 Land Cruiser and I had ordered the Newest V8.00.034 MINI VCI for TOYOTA TIS Techstream cable and I could get it to connect via your method and my Win 64 laptop (but not my Win 32 laptop oddly enough) but it would not see all of the systems. I could not see a Smart Key or when it ran the Health Data it could not connect to all of the Systems. I just kept searching and searching to find out why I could not and ran across this.

So I have returned my other cable and have bought one that supports K-line instead. I hope it will detect a Smart Key this time.

Thank you for your write up.

Offline

Quote

07-11-2015, 12:19 PM

#14


[AlexTheGreek](#)

Senior Member



Join Date: Nov 2012
Drives: BRZ Premium Black
Location: NC, USA
Posts: 116
Thanks: 31
Thanked 18 Times in 13 Posts
Mentioned: 1 Post(s)
Tagged: 0 Thread(s)
[Garage](#)

Quote:

Originally Posted by **Jhood** 
Hey ft86!

...If everything works, you will be prompted to confirm car year/model after which you'll get to the diagnostic interface....

Works great thanks. Followed this to a T on a Lenovo W530 operating Windows 7 64bit.


I purchased my cable off of Ebay "White Mini VCI 16 Pin OBD2 Diagnostic Cable for TOYOTA TIS Techstream" from seller "nycom-tech"

The menu is a little counter-intuitive, but seem to be able to access all features.


Also when I ran the firmware update tool, all the device information matched yours exactly.


Online

Quote



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